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PTO/SB/08B (08-00)

Substitute for form 1449B/PTO				<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10/688,078
(use as many sheets as necessary)				Filing Date	17 October 2003
				First Named Inventor	P. Bryant Chase
				Group Art Unit	1651
				Examiner Name	Roseanne KOSSON
Sheet	1	of	2	Attorney Docket Number	FSUN-001/01US

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		
RK	D1	BUNK, et al., Actomyosin motility on nanostructured surfaces. <i>Biochem. Biophys. Res. Commun.</i> 301:783-788 (2003)		
	D2	CHAEN, et al., Lower activation energy for sliding of F-actin on a less thermostable isoform of carp myosin, <i>J Biochem (Tokyo)</i> 120:788-791. (1996).		
	D3	CHASE, et al. Viscosity and solute dependence of F-actin translocation by rabbit skeletal heavy meromyosin. <i>Am J Physiol Cell Physiol</i> 278:C1088-C1098 (2000)		
	D4	CHOMCZYNSKI et al., Single-step method of RNA isolation by acid guanidinium thiocyanate-phenol-chloroform extraction. <i>Anal. Biochem.</i> 162:156-9 (1987)		
	D5	DONG, et al., Kinetic studies of calcium binding to the regulatory site of troponin C from cardiac muscle. <i>J. Biol. Chem.</i> 271:688-94 (1996).		
	D6	GORDON, et al. Calcium regulation of skeletal muscle thin filament motility in vitro. <i>Biophys. J.</i> 72:1295-1307 (1997)		
	D7	HESS et al., Molecular shuttles based on motor proteins: active transport in synthetic environments, <i>J. Biotechnol.</i> 82:67-85 (2001)		
	D8	HESS, et al., Light-Controlled Molecular Shuttles Made from Motor Proteins Carrying Cargo on Engineered Surfaces <i>Nano Lett.</i> 1:235-239 (2001)		
	D9	KÖHLER, et al., Familial hypertrophic cardiomyopathy mutations in troponin I (K183D, G203S, K206Q) enhance filament sliding. <i>Physiological Genomics</i> 14:117-128 (2003);		
	D10	KRON, et al., Assays for actin sliding movement over myosin-coated surfaces. <i>Methods Enzymol.</i> 196:399-416 (1991)		
	D11	KUNIOKA, et al., Innocuous labeling of the subfragment-2 region of skeletal muscle heavy meromyosin with a fluorescent polyacrylamide nanobead and visualization of individual heavy meromyosin molecules. <i>J Biochem (Tokyo)</i> 119:1024-32 (1996).		

Rosanne Kossen 10/12/05

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✓	D12	LIANG, et al. Ca ²⁺ regulation of rabbit skeletal muscle thin filament sliding: role of cross-bridge number. <i>Biophys. J.</i> 85:1775-1786 (2003)		
	D13	LIMBERIS, et al., Polarized Alignment and Surface Immobilization of Microtubules for Kinesin-Powered Nanodevices, <i>Nano Lett.</i> 1:277-280 (2001)		
	D14	MARGOSSIAN et al., Preparation of Myosin and its Subfragments from Rabbit Skeletal Muscle. <i>Methods Enzymol.</i> 85(Pt B): 55-71 (1982)		
	D15	NIELSCH, et al., Hexagonally ordered 100 nm period nickel nanowire arrays, <i>Appl Phys Lett</i> 79:1360-1362 (2001).		
	D16	POTTER, Preparation of troponin and its subunits. <i>Methods Enzymol.</i> 85:241-263 (1982)		
	D17	SCHMIDT, et al., Force Tolerance of Hybrid Nanodevices, <i>Nano Lett.</i> 2:1229-1233 (2002)		
	D18	SELLERS and KACHAR, Polarity and velocity of sliding filaments: control of direction by actin and of speed by myosin, <i>Science</i> 249:406-408 (1990)		
	D19	SIDELL, et al., The eurythermal myofibrillar protein complex of the mummichog (<i>Fundulus heteroclitus</i>): adaptation to a fluctuating thermal environment, <i>J Comp Physiol</i> 153:167-173 (1983).		
	D20	SOONG, et al., Powering an inorganic nanodevice with a biomolecular motor, <i>Science</i> 290:1555-1558 (2000)		
	D21	SUZUKI, et al., Control of actin moving trajectory by patterned poly(methylmethacrylate) tracks. <i>Biophys. J.</i> 72:1997-2001 (1997)		
✓	D22	TOYOSHIMA, et al., Bidirectional movement of actin filaments along tracks of myosin heads, <i>Nature</i> 341:154-156 (1989)		

Examiner Signature	<i>Roseanne Kossen</i>	Date Considered	10/12/05
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number.

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